Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. **(Original)** An electricity generating system, comprising:

a body;

a combustor provided in said body;

a turbine made of a plurality of turbine blades secured to a rotor, provided in said body and in fluid communication with said combustor;

a compressor chamber provided in said body and in fluid communication with said combustor;

a plurality of compressor blades secured to said rotor, said compressor blades positioned within a compressor chamber;

an air inlet port in fluid communication with said compressor chamber;

an exit port in fluid communication with said turbine;

a plurality of magnets secured to said rotor; and

a stator made of a magnetically attracted material provided in said body, said stator positioned in close proximity to said plurality of magnets whereby rotation of said rotor causes a change in flux about said stator thereby generating electricity; and

a fuel metering valve in fluid communication with said combustor, wherein said fuel metering valve comprises a proportional solenoid having a plunger having a tip, said plunger adapted to extend along a longitudinal axis, a valve body defining a plunger cavity, an inlet and an outlet, said plunger extending within said plunger cavity, and a flow plate having a hole defined therein, said flow plate secured to said valve body and positioned within said plunger cavity between said inlet and said outlet whereby movement of said plunger in a first

longitudinal direction causes said tip to coact with the hole defined in said flow plate to vary a flow from said inlet to said outlet through said hole defined in said hole plate.

2. **(Original)** An electricity generating system as claimed in claim 1, wherein said tip has a diameter that varies with respect to the longitudinal axis.

3. **(Original)** An electricity generating system as claimed in claim 2, wherein the tip diameter varies between a diameter less than a diameter of the hole defined in said flow plate to a diameter greater than the diameter defined in the flow plate whereby said plunger is adapted to move both in the first longitudinal direction and a second longitudinal direction, and when said plunger moves a first distance in the first longitudinal direction, said plunger tip extends through said hole defined in said flow plate and contacts said flow plate, blocking flow across said flow plate in a blocked position, and when said plunger is moved in the second direction from the blocked position, said tip is positioned away from said flow plate and flow through said flow plate varies as a function of a longitudinal position of said tip.

4. **(Original)** An electricity generating system, comprising:

a body;

a combustor provided in said body;

a turbine made of a plurality of turbine blades secured to a rotor, provided in said body and in fluid communication with said combustor;

a compressor chamber provided in said body and in fluid communication with said combustor;

a plurality of compressor blades secured to said rotor, said compressor blades positioned within a compressor chamber;

an air inlet port in fluid communication with said compressor chamber;

an exit port in fluid communication with said turbine;

a plurality of magnets secured to said rotor;

a stator made of a magnetically attracted material provided in said body, said stator positioned in close proximity to said plurality of magnets whereby rotation of said rotor causes a change in flux about said stator thereby generating electricity; and

a fuel metering valve fluidly coupled to said combustor, wherein said fuel metering valve comprises a proportional solenoid having a plunger that is adapted to extend along a longitudinal axis, said plunger having a tip, and a valve body defining a plunger cavity, an inlet and an outlet, said plunger extending within said plunger cavity, said tip having a blocking portion and a flow passageway defined therein having an inlet port and an outlet port, wherein said inlet port is in fluid communication with said outlet port whereby movement of said tip in a first longitudinal direction causes said inlet port, outlet port and blocking member to coact with said inlet and outlet to vary a flow through said valve body from said inlet to said outlet.

5. **(Original)** An electricity generating system, comprising:

a body;

a combustor provided in said body;

a turbine made of a plurality of turbine blades secured to a rotor, provided in said body and in fluid communication with said combustor;

a compressor chamber provided in said body and in fluid communication with said combustor;

a plurality of compressor blades secured to said rotor, said compressor blades positioned within a compressor chamber;

an air inlet port in fluid communication with said compressor chamber;

an exit port in fluid communication with said turbine;

a plurality of magnets secured to said rotor;

a stator made of a magnetically attracted material provided in said body, said stator positioned in close proximity to said plurality of magnets whereby rotation of said rotor causes a change in flux about said stator thereby generating electricity;

an annular-shaped bearing rotatably receiving a cylindrical portion of said rotor through an annulus defined in said bearing, said bearing secured to said body, said bearing adapted to support said rotor so that said rotor can rotate about a longitudinal axis; and

a locking arrangement for securing said bearing to said body, said locking arrangement, comprising a lug secured to said bearing and extending in a radial direction away from the annulus, a cylindrical bearing receiving hole defined in the body to receive said bearing and a lug receiving recess defined in said body for receiving said lug and prevent said bearing from rotating about the longitudinal axis relative to said body, and a locking member coacting with said bearing for limiting movement of said bearing in a first longitudinal direction relative to said body.

6. **(Original)** An electricity generating system as claimed in claim 5, wherein said lug receiving recess terminates at said body at a termination point, the termination point coacts with said lug for limiting movement of said sleeve in a second longitudinal direction relative to said body.

7. **(Currently Amended)** An electricity generating system, comprising:

a body;

a combustor provided in said body;

a turbine made of a plurality of turbine blades secured to a rotor, provided in said body and in fluid communication with said combustor;

a compressor chamber provided in said body and in fluid communication with said combustor;

a plurality of compressor blades secured to said rotor, said compressor blades positioned within a compressor chamber;

an air inlet port in fluid communication with said compressor chamber;

an exit port in fluid communication with said turbine;

a plurality of magnets secured to said rotor;

a stator made of a magnetically attracted material provided in said body, said stator positioned in close proximity to said plurality of magnets whereby rotation of said rotor causes a change in flux about said stator thereby generating electricity;

an annular-shaped bearing rotatably receiving a cylindrical portion of said rotor through an annulus defined in said bearing, said bearing secured to said body **to prevent rotation of an outer surface of the bearing**, said bearing adapted to support said rotor so that said rotor can rotate about a longitudinal axis; and

a damper positioned between **[[an]]** **the** outer surface of said bearing and said body.

8. **(Original)** An electricity generating system as claimed in claim 7, wherein said damper is an O-ring made of elastomeric material.

9. **(Original)** An electricity generating system as claimed in claim 6, wherein two lug receiving recesses are defined by a pair of spaced arcuate lips, each of said accurate lips defining an open faced lug receiving recess, wherein the lug receiving recesses are spaced apart and wherein an annular retention lug ring having two radially extending lugs is secured to said bearing, said lugs received by respective lug receiving recesses, and wherein said locking member is a snap ring received within snap ring recesses defined in said arcuate-shaped lips.

10-14. **(Cancelled)**

15. **(Original)** An electricity system as claimed in claim 1, wherein said combustor is an annular combustor.

16. **(Original)** An electricity system as claimed in claim 4, wherein said combustor is an annular combustor.

17. **(Original)** An electricity system as claimed in claim 5, wherein said combustor is an annular combustor.

18. **(Original)** An electricity system as claimed in claim 7, wherein said combustor is an annular combustor.

19-40. **(Cancelled)**

41. **(Previously Presented)** An electricity generating system, comprising:

a body;

a combustor provided in said body;

a turbine made of a plurality of turbine blades secured to a rotor, provided in said body and in fluid communication with said combustor;

a compressor chamber provided in said body and in fluid communication with said combustor;

a plurality of compressor blades secured to said rotor, said compressor blades positioned within a compressor chamber;

an air inlet port in fluid communication with said compressor chamber;

an exit port in fluid communication with said turbine;

a plurality of magnets secured to said rotor;

a stator made of a magnetically attracted material provided in said body, said stator positioned in close proximity to said plurality of magnets whereby rotation of said rotor causes a change in flux about said stator thereby generating electricity;

a fuel pump in fluid communication with said combustor; and

means to modulate said fuel flow if the exhaust temperature exceeds a predetermined maximum temperature for a predetermined period.

42-63. **(Cancelled)**